BUNN®

IMIX-3S
IMIX-5S

INSTALLATION & OPERATING MANUAL

BUNN-O-MATIC CORPORATION
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www.bunnomatic.com

BUNN-O-MATIC COMMERCIAL PRODUCT WARRANTY

Bunn-O-Matic Corp. ("BUNN") warrants equipment manufactured by it as follows:
1) All equipment other than as specified below: 2 years parts and 1 year labor.
2) Electronic circuit and/or control boards: parts and labor for 3 years.
3) Compressors on refrigeration equipment: 5 years parts and 1 year labor.
4) Grinding burrs on coffee grinding equipment to grind coffee to meet original factory screen sieve analysis: parts and labor for 3 years or 30,000 pounds of coffee, whichever comes first.

These warranty periods run from the date of installation BUNN warrants that the equipment manufactured by it will be commercially free of defects in material and workmanship existing at the time of manufacture and appearing within the applicable warranty period. This warranty does not apply to any equipment, component or part that was not manufactured by BUNN or that, in BUNN's judgment, has been affected by misuse, neglect, alteration, improper installation or operation, improper maintenance or repair, damage or casualty. This warranty is conditioned on the Buyer 1) giving BUNN prompt notice of any claim to be made under this warranty by telephone at (217) 529-6601 or by writing to Post Office Box 3227, Springfield, Illinois 62708-3227; 2) if requested by BUNN, shipping the defective equipment prepaid to an authorized BUNN service location; and 3) receiving prior authorization from BUNN that the defective equipment is under warranty.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTY, WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF EITHER MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The agents, dealers or employees of BUNN are not authorized to make modifications to this warranty or to make additional warranties that are binding on BUNN. Accordingly, statements by such individuals, whether oral or written, do not constitute warranties and should not be relied upon.

If BUNN determines in its sole discretion that the equipment does not conform to the warranty, BUNN, at its exclusive option while the equipment is under warranty, shall either 1) provide at no charge replacement parts and/or labor (during the applicable parts and labor warranty periods specified above) to repair the defective components, provided that this repair is done by a BUNN Authorized Service Representative; or 2) shall replace the equipment or refund the purchase price for the equipment.

THE BUYER'S REMEDY AGAINST BUNN FOR THE BREACH OF ANY OBLIGATION ARISING OUT OF THE SALE OF THIS EQUIPMENT, WHETHER DERIVED FROM WARRANTY OR OTHERWISE, SHALL BE LIMITED, AT BUNN'S SOLE OPTION AS SPECIFIED HEREIN, TO REPAIR, REPLACEMENT OR REFUND.

In no event shall BUNN be liable for any other damage or loss, including, but not limited to, lost profits, lost sales, loss of use of equipment, claims of Buyer's customers, cost of capital, cost of down time, cost of substitute equipment, facilities or services, or any other special, incidental or consequential damages.

INTRODUCTION

This equipment dispenses hot beverages or soups on demand from powdered product. It is indoor use only on a sturdy counter or shelf.

USER NOTICES

The notices on this dispenser should be kept in good condition. Replace unreadable or damaged labels.

⚠ WARNING

- **Fill water tank before turning - on - thermostat or connecting appliance to power source.**
- **Use only on a properly protected circuit capable of the rated load.**
- **Electrically ground the chassis.**
- **Follow national/local electrical codes.**
- **Do not use near combustibles.**

FAILURE TO COMPLY RISKS EQUIPMENT DAMAGE, FIRE, OR SHOCK HAZARD

READ THE ENTIRE OPERATING MANUAL BEFORE BUYING OR USING THIS PRODUCT

THIS APPLIANCE IS HEATED WHENEVER CONNECTED TO A POWER SOURCE

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This equipment is to be installed to comply with the Basic Plumbing Code of the Building Officials and Code Administrators International, Inc. (BOCA) and the Food Service Sanitation Manual of the Food and Drug Administration (FDA).

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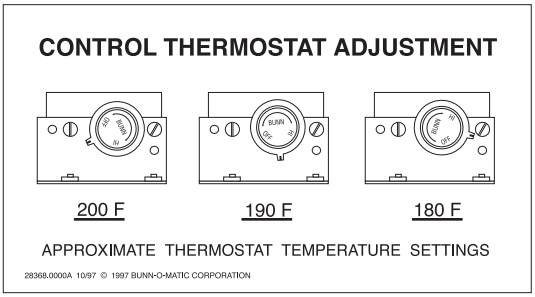

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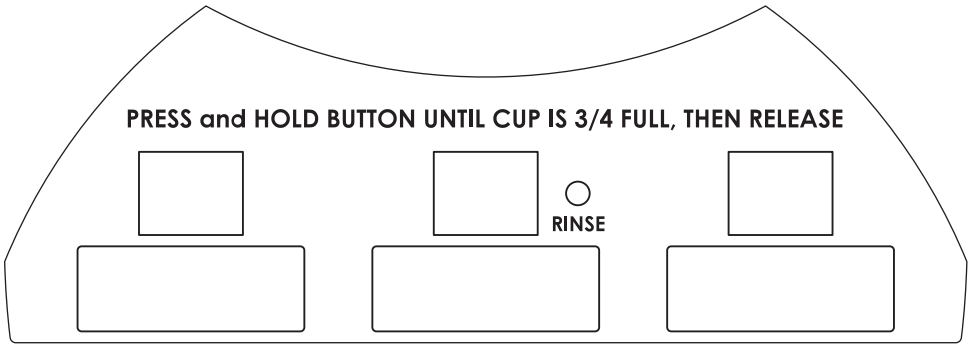
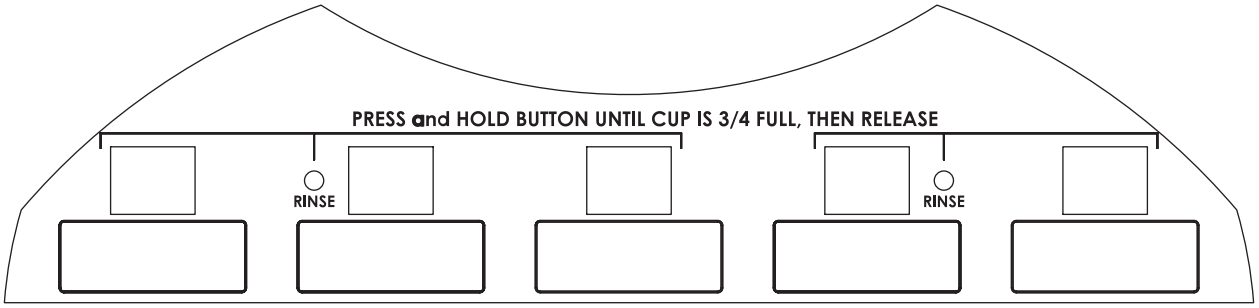


IMIX-3S



IMIX-5S

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INITIAL SET-UP

1. Apply the four non-skid pads from the parts box to the bottom of the legs.
2. Remove the drip tray assembly, drip tray bracket, and splash panel assembly from the parts box.
3. Place a set of key holes in the drip tray bracket over the lower two screws in the panel below the hopper access door; push down gently and tighten screws.
4. Place the set of key holes in the splash panel over the upper two screws and position so the screws are between the holes.

ELECTRICAL REQUIREMENTS

WARNING - If the power cord is ever damaged, it must be replaced by the manufacturer or its service agent with a special cord available from the manufacturer or its service agent in order to avoid a hazard.

CAUTION - The dispenser must be disconnected from the power source until specified in *Electrical Hook-Up.*

The 120 volt version of this dispenser has an attached cordset.

Refer to the dispenser's dataplate for exact voltage requirements.

ELECTRICAL HOOK-UP

CAUTION – Improper electrical installation will damage electronic components.

1. An electrician must provide electrical service as specified.
2. Using a voltmeter, check the voltage and color coding of each conductor at the electrical source.
3. Open the front door of the dispenser and place the heater switch in the "OFF" (upper position).
4. Connect the dispenser to the power source.
5. If plumbing is to be hooked-up later be sure the dispenser is disconnected from the power source. If plumbing has been hooked-up, the dispenser is ready for *Initial Fill & Heat.*

PLUMBING REQUIREMENTS

This dispenser must be connected to a COLD WATER system with operating pressure between 20 and 100 psi (138 and 690 kPa). This water source must be capable of producing a minimum flow rate of 4.5 fl. oz. (133.1 ml) per second. A shut-off valve should be installed in the line before the dispenser. Install a regulator in the line when pressure is greater than 100 psi (690 kPa) to reduce it to 50 psi (345 kPa). The water inlet fitting is .38" (9.52 mm) flare.

NOTE - At least 18 inches (457 mm) of an FDA approved flexible beverage tubing, such as reinforced braided polyethylene or silicone, before the dispenser will facilitate movement to clean the countertop. It can be purchased direct from Bunn-O-Matic (part number 32759.10--[See Illustrated Parts Catalog for complete part number]). Bunn-O-Matic does not recommend the use of a saddle valve to install the dispenser. The size and shape of the hole made in the supply line by this type of device may restrict water flow.

This equipment must be installed to comply with the Basic Plumbing Code of the Building Officials and Code Administrators International, Inc. (BOCA) and the Food Service Sanitation Manual of the Food and Drug Administration (FDA). For models installed outside the U.S.A., you must comply with the applicable Plumbing/Sanitation Code for your area.

PLUMBING HOOK-UP

1. Flush the water line and securely attach it to the flare fitting on the bottom of the dispenser.
2. Turn-on the water supply.

INITIAL FILL & HEAT

CAUTION - The dispenser must be disconnected from the power source throughout the initial set-up, except when specified in the instructions.

1. Turn-on the water supply and connect the dispenser to the power source.
2. Water will automatically flow into the tank to the proper level and then shut-off. This will take less than five minutes.
3. When the tank is full of water, open the front door and place the heater switch in the "ON" (lower) position. A tank full of cold water will take approximately eighty minutes (IMIX-5S) or forty-five minutes (IMIX-3S) for the water to heat on 120 volt versions or forty minutes (IMIX-5S) or twenty-five minutes (IMIX-3S) for 120/208 volt versions and 120/240 volt versions.

During this waiting period, complete these dispenser set-up steps:

a. Place the drip tray in front of the dispenser. Set the drip tray cover in place.
b. Place a set of keyholes in the cup locator plate over the screws beneath the hopper access door and push down gently.
c. Fill the hoppers with the dry product to be dispensed.

LIQUID LEVEL CONTROL

The system automatically maintains the hot water tank's level by energizing the refill solenoid when the water level drops below the liquid level probe. If the system has not successfully refilled in 15 minutes, a refill error occurs. When a refill error occurs, the refill solenoid is de-energized and the left rinse L.E.D. will flash about once every 5 seconds. Once the cause of the refill error has been investigated (see the troubleshooting guide in the Operating and Service Manual) and cured, the system can be reset by placing the Rinse/Run switch in the programming (center) position, momentarily.

RINSE TIMERS

The dispenser is shipped from the factory with the rinse timers disabled. To enable the rinse timers, remove power from the dispenser, remove the lower access panel, and remove the jumper from J1 of the control boards. Replace the lower access panel, and return power to the dispenser. When enabled, the rinse timers automatically keep track of the time since the dispenser was last run through a rinse sequence. If the dispenser detects that a rinse sequence has not been run for 8 hours, the appropriate rinse L.E.D. will flash continually. If, after an additional 4 hours (12 hours total), a rinse sequence has still not been run, the appropriate rinse L.E.D. will light continuously, and the appropriate hopper drives will be disabled until a rinse sequence has been run.

RUNNING A RINSE SEQUENCE

1. Place the rinse/run switch in the rinse position.
2. Sequentially, or simultaneously, at each of the positions dispense for at least 10 seconds.
3. After the rinse L.E.D. has extinguished, the rinse timer is reset.
4. Return the rinse/run switch to the run position.

DISPENSER USE

1. Simply place a cup on the drip tray beneath the dispensing tip.
2. Press the button and dispense the beverage.
3. Release the button when the cup is approximately 3/4 full and allow the whipper chamber to drain.

NOTE - The whipper chamber must drain at the end of each dispense.

CLEANING

Refer to the decal on the rear of the dispenser door for cleaning recommendations and procedures.
The use of a damp cloth rinsed in any mild, non-abrasive, liquid detergent is recommended for cleaning all surfaces on Bunn-O-Matic equipment. Do **NOT** clean this equipment with a water jet device.

ADJUSTMENTS

The beverage solenoid is preset to dispense approximately 9/10 ounce per second (26 mL/sec). This amount can be adjusted:

1. Disconnect the dispenser from the power source.
2. Remove the hoppers and the access panel behind the hoppers.
3. Rotate the control at the base of the solenoid clockwise to decrease or counterclockwise to increase the amount of water.
4. Replace access panel when finished.

HOPPER MOTOR SPEED PROGRAMING

NOTE: The hopper dispense rates are preset at the factory. With 22 tooth gear and auger wire the preset dispense rate is approximately 3 to 5 grams per second. With 30 tooth gear and auger wire the preset dispense is approximately 5 to 7 grams per second. The hopper dispense rates can be individually programmed to a range of dispense rates from approximately 1.5 to 12 grams per second, as follows:

1. Place the rinse/run switch in the center (program) position.
2. Hold the increase/decrease switch in the desired (increase or decrease) position.
3. While holding the increase/decrease switch, press and release the dispense switch for the chamber you wish to adjust. Each time the dispense switch is pressed, the rinse L.E.D. will flash, and the motor speed for that hopper will be increased/decreased by approximately 2 1/2%.
4. Return the rinse/run switch to the run position after hopper motor speed adjustments are complete.

For IMIX-3S only:

5. Once any of the three hopper motors has been programmed to the desired speed, either or both of the other hopper motors can be set to the same speed as follows:
   a. Place the rinse/run switch in the center (program) position.
   b. Press and hold the dispense switch that has been programmed for the correct speed.

NOTE: Care must be taken not to exceed 5 seconds, or a hopper throw test will occur.

   c. Momentarily press the dispense switch for the hopper motor to be programmed. The rinse L.E.D. will light for approximately 1 second, indicating that the speeds have been set equal.
   d. Release both dispense switches.
   e. Repeat step 5. b. through 5. d. for remaining hopper motor if desired.
   f. Return the rinse/run switch to the run position after hopper motor speed adjustments are complete.

DRAINING THE HOT WATER TANK

CAUTION - The dispenser must be disconnected from the power source throughout these steps.

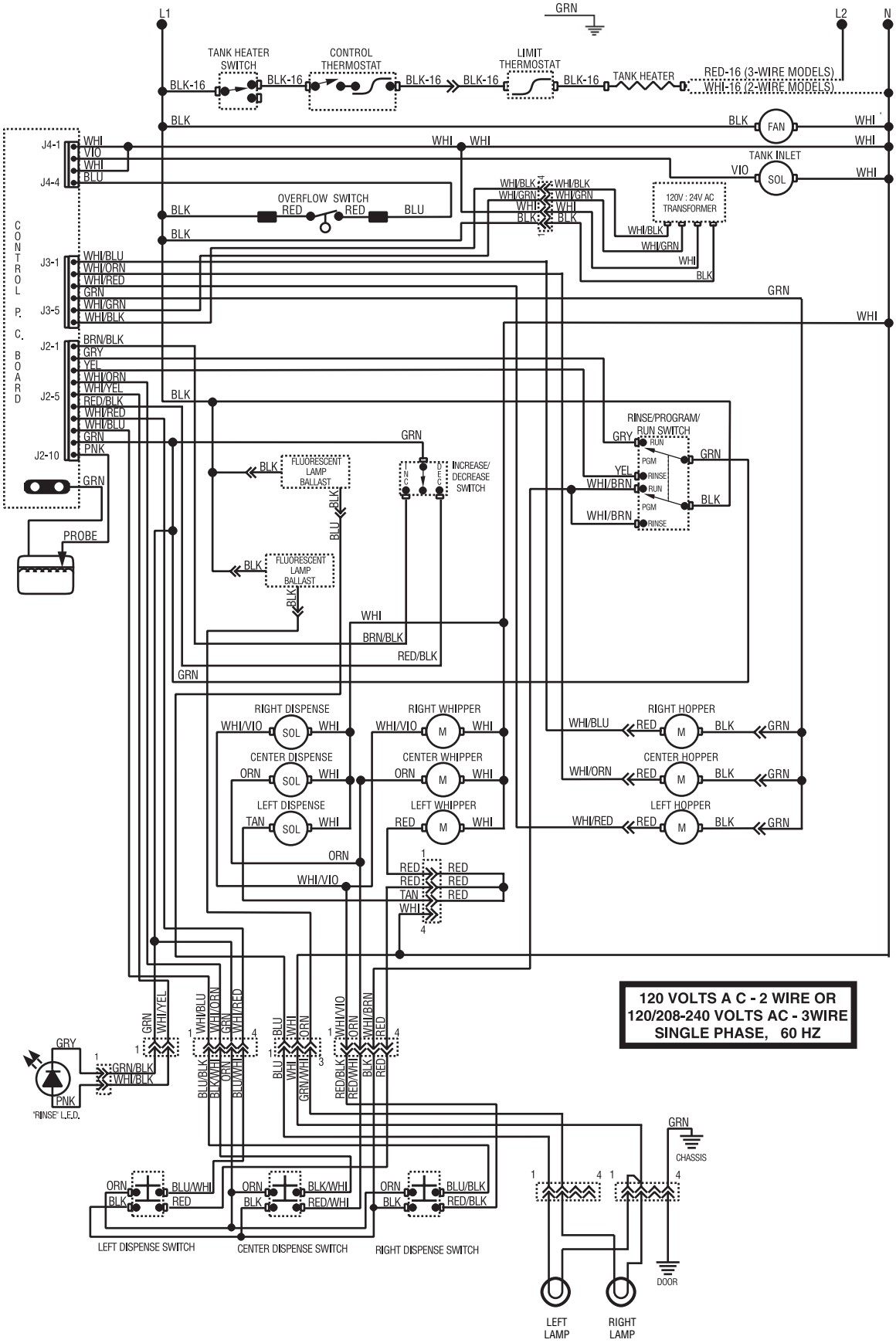
1. Disconnect the dispenser from the power source.
2. Place the tank heater switch in the “OFF” position.
3. Shut-off and disconnect the incoming water supply.
4. Remove the front, lower access panel.
5. Pull out drain tube to empty into a sink or a container with a minimum of 7-1/2 gallon (28.5 L) capacity.
6. Make sure drain clamp is closed. Then, remove drain plug.
7. Direct tube into sink or container and open drain clamp. Continue draining tank until ALL of the water is out.

WARNING: Be very careful with the draining water because it can be very hot.

8. Close drain clamp, insert drain plug, place drain tube back into machine, and replace lower access panel.

NOTE - The dispenser must be refilled using the *INITIAL FILL & HEAT* steps before reconnecting to the power source.

ELECTRICAL WIRING DIAGRAM IMIX-3S



ELECTRICAL WIRING DIAGRAM IMIX-5S